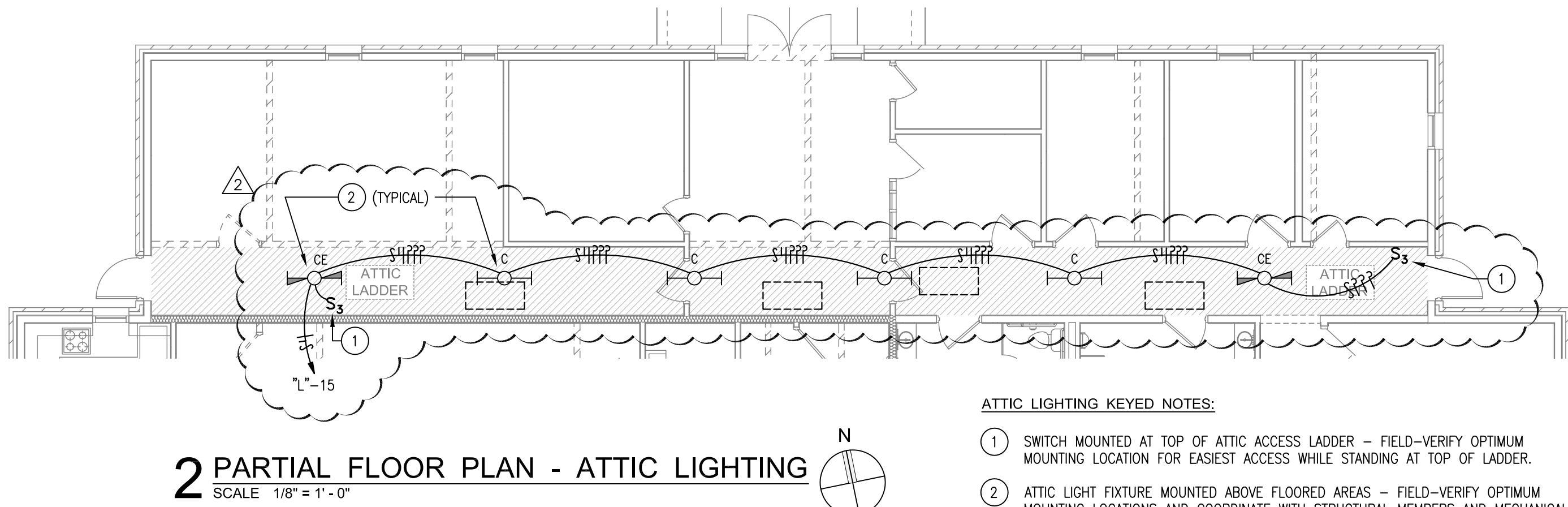


LIGHT FIXTURE SCHEDULE									
TYPE	MANUFACTURER	CATALOG NO.	VOLTS	QTY	LAMPS TYPE	QTY	BALLASTS TYPE	REMARKS	
A	CREE	#CR24-40L-40K-S	120V		4000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED GRID LED TROFFER	
AE	CREE	#CR24-40L-40K-S-EB14	120V		4000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED GRID LED TROFFER WITH EMERGENCY BACKUP	
A2	CREE	#CR24-40L-40K-S-DGA24-WHT-1PK	120V		4000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED FLANGE LED TROFFER	
B	CREE	#CR24-31L-40K-S	120V		3100 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED GRID LED TROFFER	
BE	CREE	#CR24-31L-40K-S-EB14	120V		3100 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED GRID LED TROFFER WITH EMERGENCY BACKUP	
B2	CREE	#CR24-31L-40K-S-DGA24-WHT-1PK	120V		3100 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED FLANGE LED TROFFER	
B2E	CREE	#CR24-31L-40K-S-EB14-DGA24-WHT-1PK	120V		3100 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED FLANGE LED TROFFER WITH EMERGENCY BACKUP	
C	CREE	#LS4-40L-40K	120V		4000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			4' LED STRIP FIXTURE	
CE	CREE	#LS4-40L-40K-EB14	120V		4000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			4' LED STRIP FIXTURE WITH EMERGENCY BACKUP	
D	WILLIAMS	#ICLED60-OS15/840-CS-NB/TB (AS REQ'ED)-EDD*OS-120	120V		1500 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			LED IC RATED DOWNLIGHT	
DE	WILLIAMS	#ICLED60-OS15/840-CS-NB/TB (AS REQ'ED)-EDD*OS-120-EM	120V		1500 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			LED IC RATED DOWNLIGHT WITH EMERGENCY BACKUP	
E	CREE	#CR24-50L-40K-S	120V		5000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED GRID LED TROFFER	
E2	CREE	#CR24-50L-40K-S-DGA24-WHT-1PK	120V		5000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' RECESSED FLANGE LED TROFFER	
FE	CD LIGHTING	#VFT-24-332-120-EBH-15PG-EM	120V	3	F032/835	1	J-LAMP BALLAST PROGRAM START BODINE B50	2'x4' RECESSED FLANGED SECURITY/HIGH ABUSE FLUORESCENT TROFFER WITH EMERGENCY BALLAST	
G	CREE	#CR24-40L-40K-S/SMK-CR24	120V		4000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' SURFACE MOUNTED LED TROFFER	
H	CREE	#CR24-50L-40K-S/SMK-CR24	120V		5000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			2'x4' SURFACE MOUNTED LED TROFFER	
J1	PRUDENTIAL	#P83-LED-REG4-LED4-HO-R4-BLW-OL-SC-120-X1	120V		700 LUMEN/FT LED PACKAGE INTEGRAL TO FIXTURE			WALL MOUNTED, CEILING RECESSED LED PERIMETER TROUGH SYSTEM RUN WALL-TO-WALL, FILLER KIT(S) PROVIDE THE NECESSARY ADJUSTMENT ON END	
J2	PRUDENTIAL	#P83-LED-REG4-LED4-HO-R8-BLW-OL-SC-120-X1	120V		700 LUMEN/FT LED PACKAGE INTEGRAL TO FIXTURE			WALL MOUNTED, CEILING RECESSED LED PERIMETER TROUGH SYSTEM RUN WALL-TO-WALL, FILLER KIT(S) PROVIDE THE NECESSARY ADJUSTMENT ON END	
J3	PRUDENTIAL	#P83-LED-REG4-LED4-HO-R6-BLW-OL-SC-120-X1	120V		700 LUMEN/FT LED PACKAGE INTEGRAL TO FIXTURE			WALL MOUNTED, CEILING RECESSED LED PERIMETER TROUGH SYSTEM RUN WALL-TO-WALL, FILLER KIT(S) PROVIDE THE NECESSARY ADJUSTMENT ON END	
K	CREE	#ESA-C10-WD-S-28-D-U-BK-SSGC-C-40K	120V		3064 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			SURFACE MOUNTED BLACK CYLINDER LED DOWNLIGHT WITH SEMI-SPECULAR REFLECTOR	
LE	WILLIAMS	#WVPV-LED32/740-T4-(CTBS)-EM/BSL722LT-UNV	120/277V		3200 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			LED EXTERIOR WALL PACK WITH FORWARD THROW OPTICS & EMERGENCY BACKUP, MOUNT 8'-0" AFF TO BOTTOM OF FIXTURE	
M	WILLIAMS	#LEDSL60-OS30/840-EDD*OS-120	120/277V		3000 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			LED SHOWER LIGHT FIXTURE	
N1	FINELITE	#HP-4 ID-4'-HO-HO-4000K-TG-120V-FA-SC-C4	120V		3188 LUMENS UP 2725 LUMENS DN			SUSPENDED 4' LINEAR LED LIGHT FIXTURE - REFER TO NOTE ON LIGHTING PLAN FOR CABLE LENGTH/MOUNTING HEIGHT REQUIREMENTS	
N2	FINELITE	#HP-4 ID-8'-HO-HO-4000K-TG-120V-FA-MC-C4	120V		6376 LUMENS UP 5450 LUMENS DN			SUSPENDED 8' LINEAR LED LIGHT FIXTURE - REFER TO NOTE ON LIGHTING PLAN FOR CABLE LENGTH/MOUNTING HEIGHT REQUIREMENTS - SWITCH UP AND DOWN LEDS SEPARATELY AS INDICATED	
N2E	FINELITE	#HP-4 ID-8'-HO-HO-4000K-TG-120V-FA-MC-C4-EM	120V		6376 LUMENS UP 5450 LUMENS DN			SUSPENDED 8' LINEAR LED LIGHT FIXTURE W/EMERG. BACKUP - REFER TO NOTE ON LIGHTING PLAN FOR CABLE LENGTH/MOUNTING HEIGHT REQUIREMENTS - SWITCH UP AND DOWN LEDS SEPARATELY AS INDICATED	
P	CREE	#FLD-EDG-40-AA-04-E-UL-BZ-525	208V		7266 LUMEN, 40° FLOOD LED PACKAGE			GROUND MOUNTED FLOOD LIGHT WITH BARN DOORS	
SL2	CREE	#ARE-EDG-2M-DA-14-E-UL-BZ-525 (FIXTURE) #PS4S20C1BZ (POLE)	208V		21321 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			SITE LIGHT FIXTURE WITH TYPE II OPTICS	
SL3	CREE	#ARE-EDG-3M-DA-14-E-UL-BZ-525 (FIXTURE) #PS4S20C1BZ (POLE)	208V		20213 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			SITE LIGHT FIXTURE WITH TYPE III OPTICS	
SL4	CREE	#ARE-EDG-4M-DA-14-E-UL-BZ-525 (FIXTURE) #PS4S20C1BZ (POLE)	208V		21321 LUMEN LED PACKAGE INTEGRAL TO FIXTURE			SITE LIGHT FIXTURE WITH TYPE IV OPTICS	
EM1	LIGHTALARMS	#CAM-SD-B-FT-T1	120V	-	LED INTEGRAL TO FIXTURE			SELF-CONTAINED BLACK LED EMERGENCY EGRESS FIXTURE WITH 5 MINUTE TIME DELAY	
EM2	LIGHTALARMS	#LCA1250-2LD7-CPS	120V	-	LED INTEGRAL TO FIXTURE			SELF-CONTAINED LED EMERGENCY LIGHT FIXTURE WITH VANDAL RESISTANT SHIELD	
X1	LIGHTALARMS	#QLXN500-RN	120V	-	LED INTEGRAL TO FIXTURE			SINGLE OR DOUBLE FACE, WALL, CEILINGS, OR END MOUNTED, (AS INDICATED ON PLANS), EXIT LIGHT, WITH OR WITHOUT DIRECTIONAL ARROWS, AS SHOWN ON PLANS, WITH BATTERY BACK-UP	

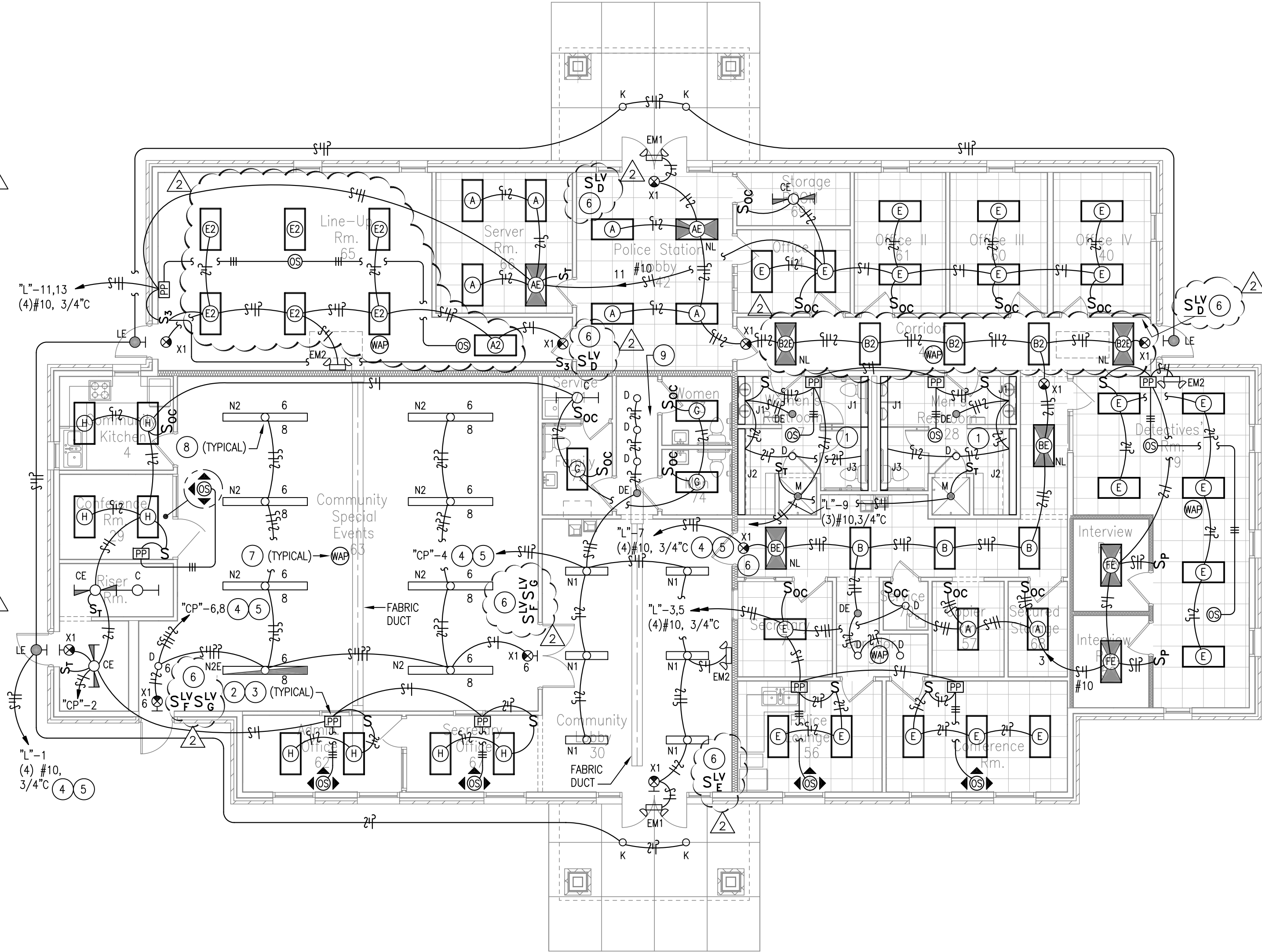
LIGHT FIXTURE SCHEDULE NOTES:

1. "CTBS" = COLOR TO BE SELECTED BY THE ARCHITECT.



ATTIC LIGHTING KEYED NOTES:

- 1 SWITCH MOUNTED AT TOP OF ATTIC ACCESS LADDER - FIELD-VERIFY OPTIMUM MOUNTING LOCATION FOR EASIEST ACCESS WHILE STANDING AT TOP OF LADDER.
- 2 ATTIC LIGHT FIXTURE MOUNTED ABOVE FLOORED AREAS - FIELD-VERIFY OPTIMUM MOUNTING LOCATIONS AND COORDINATE WITH STRUCTURAL MEMBERS AND MECHANICAL EQUIPMENT.

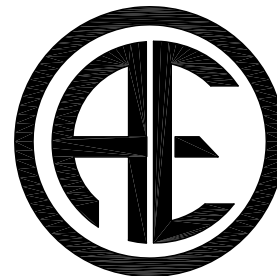


1 FLOOR PLAN - LIGHTING

SCALE 1/8" = 1'-0"

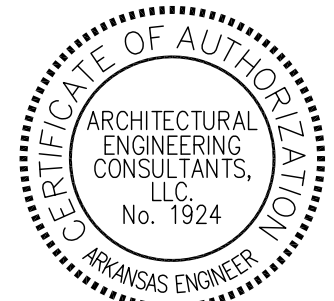
LIGHTING KEYED NOTES:

- 1 REFER TO "RECESSED PERIMETER LIGHT FIXTURE DETAIL" ON SHEET E6.01 FOR FIXTURE TYPE "J" MOUNTING DETAIL. FIXTURE TYPE "J" IS FLUORESCENT LINEAR WALL MOUNTED, RECESSED CEILING FIXTURE THAT RUNS WALL-TO-WALL - ADJUSTABLE SLEEVES ARE PROVIDED FOR FIXTURE ENDS TO ADJUST LENGTH TO EXACT WALL-TO-WALL DIMENSION.
- 2 REFER TO OCCUPANCY SENSOR WIRING DIAGRAMS & MOUNTING DETAILS ON SHEET E6.01.
- 3 POWER PACKS SERVING OCCUPANCY SENSORS MOUNTED IN GYP BOARD CEILINGS SHALL BE LOCATED IN ACCESSIBLE ATTIC SPACE ABOVE. IF ATTIC SPACE ABOVE IS INACCESSIBLE, MOUNT POWER PACK IN FLUSH CEILING OUTLET BOX WITH BLANK COVERPLATE.
- 4 CIRCUIT VIA LIGHTING CONTROL PANEL "LCP". REFER TO LIGHTING CONTROL DIAGRAM AND SCHEDULES ON SHEET E8.02 FOR ADDITIONAL INFORMATION.
- 5 PROVIDE NON-SWITCHED CONDUCTOR FOR EMERGENCY BATTERY PACKS, NIGHT LIGHTS, AND EXIT LIGHT FIXTURES.
- 6 LOW VOLTAGE LIGHTING CONTROL SWITCH FOR CONTROL OF ZONE INDICATED. REFER TO LIGHTING CONTROL DIAGRAM AND SCHEDULES ON SHEET E8.02 FOR ADDITIONAL INFORMATION. PROVIDE AN ENGRAVED NAMEPLATE AT EACH SWITCH DESIGNATING WHAT ZONE OR GROUP OF LIGHT FIXTURES THAT SWITCH CONTROLS - REFER TO SCHEDULES ON SHEET E8.02 FOR ZONE DESCRIPTIONS.
- 7 CEILING MOUNTED POE WIRELESS ACCESS POINT - SHOWN ON LIGHTING PLAN FOR COORDINATION WITH CEILING GRID, LIGHT FIXTURES, GRILLS, ETC.. FIELD COORDINATE AS REQUIRED, BUT STAY WITHIN 2' - 4' OF LOCATION INDICATED.
- 8 UP AND DOWN LAMPS OF TYPE N2/N2E FIXTURES SHALL BE SWITCHED SEPARATELY AS INDICATED - DOWN LAMPS SHALL BE ON CIRCUIT #6 AND UP LAMP SHALL BE ON CIRCUIT #8.
- 9 MOUNT EMERGENCY FIXTURE HIGH, NEAR CEILING.



**ARCHITECTURAL ENGINEERING  
CONSULTANTS, LLC.**

P.O. Box 94798 - North Little Rock, AR 72190  
501.379.9693 Phone - 501.379.9712 Fax  
AEC Job #: 0304.14.003



**CARADINE  
COMPANIES  
ARCHITECTURE**  
1101 CUMBERLAND STREET  
LITTLE ROCK, ARKANSAS 72203  
501.372.4199 OFFICE  
501.372.4198 FAX  
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CARADINE@CARADINE.COM

REVISION:  
2 05/12/15 ADDENDUM #02

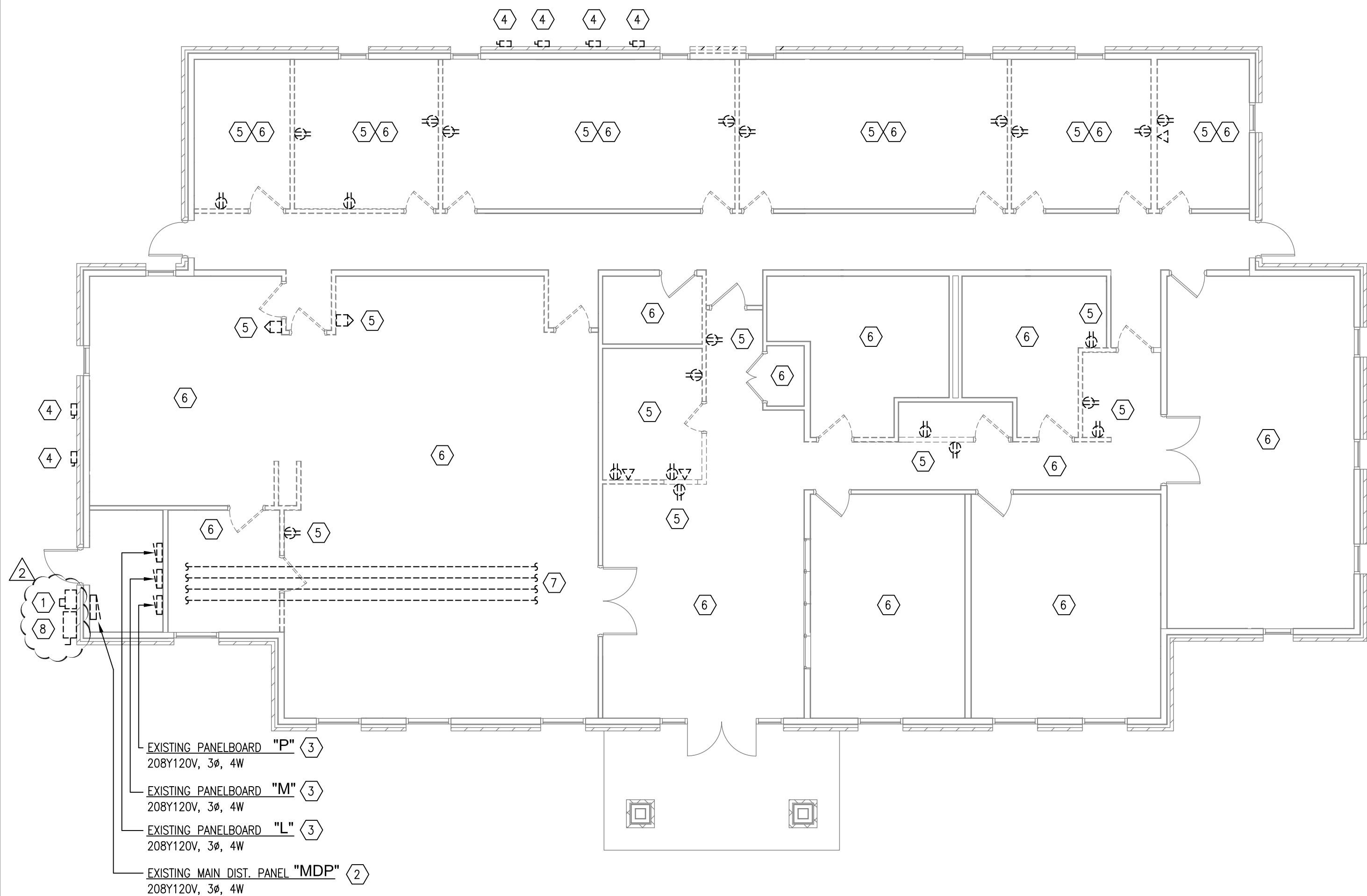
**Josephine Pankey Community +  
Police Station**  
13700 Cantrell Road, Little Rock, Arkansas 72212



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SHEET ISSUE DATE:  
03-18-2015

PAGE TITLE:  
FLOOR PLAN  
LIGHTING &  
LIGHT FIXTURE  
SCHEDULE

SHEET NUMBER:  
**E3.01**



# 1 FLOOR PLAN - ELECTRICAL DEMOLITION

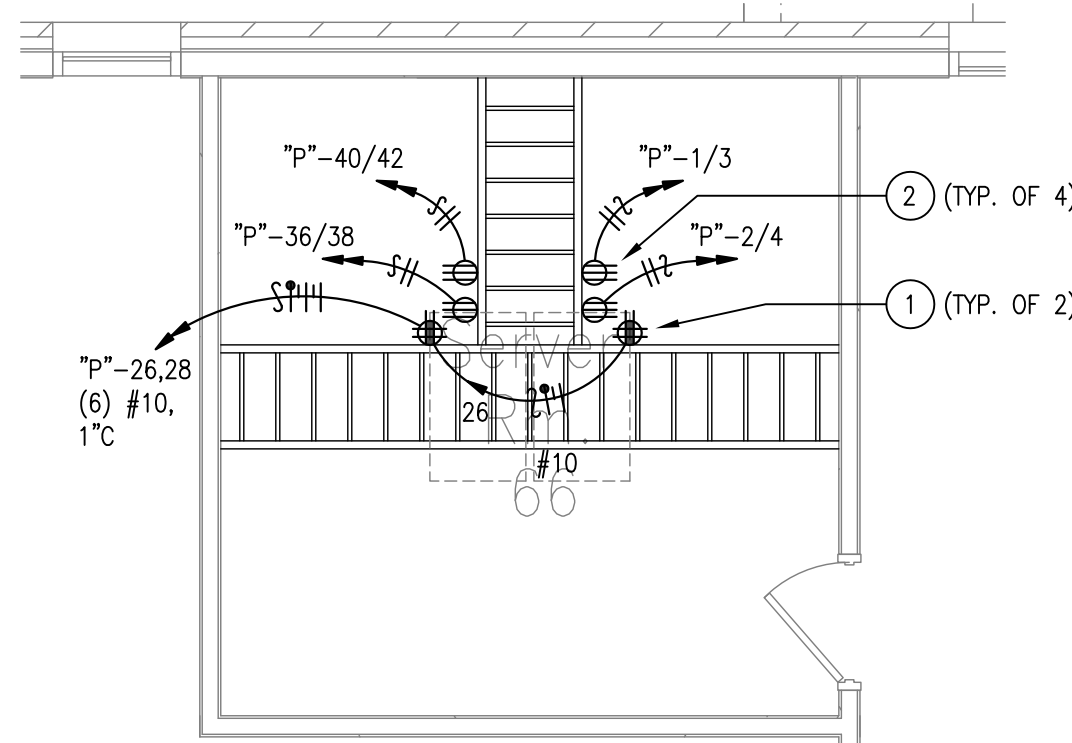
SCALE 1/8" = 1'-0"

## KEYED DEMOLITION NOTES:

- EXISTING METERING TO REMAIN - VERIFY AND COORDINATE WITH ENTERTY.
- EXISTING MAIN DISTRIBUTION PANEL TO REMAIN.
- EXISTING PANELBOARD TO REMAIN AND TO BE REUSED TO SERVE NEW LIGHTING & POWER BRANCH CIRCUITS AS SHOWN.
- REMOVE EXISTING DISCONNECT SWITCH AND ALL RELATED BRANCH CIRCUIT WIRE AND CONDUIT. INACCESSIBLE CONDUIT MAY BE ABANDONED IN PLACE - REMOVE CONDUCTORS IN THEIR ENTIRETY. FILL WITH GROUT AND SEAL REMAINING CONDUIT PENETRATION IN MASONRY WALL.
- WALLS SHOWN DASHED ARE EXISTING WALLS TO BE DEMOLISHED. ROUGH-INS (BOXES, CONDUIT, & POSSIBLE WIRE IN SOME LOCATIONS) FOR DEVICES INDICATED IN THESE WALLS ARE ALREADY INSTALLED AND WILL HAVE TO BE DEMO'ED BY THE ELECTRICAL CONTRACTOR.
- ALL OTHER EXISTING WIRING DEVICE, DATA/TELECOMM/ FIRE ALARM/ETC. ROUGH-INS (BOXES & CONDUIT) IN EXISTING-TO-REMAIN WALLS MAY BE REUSED TO ACCOMMODATE NEW DEVICES WHERE SUCH EXISTING ROUGH-IN OCCURS AT SAME LOCATION OF NEW DEVICE INDICATED ON THE POWER AND SYSTEMS PLANS. IF NO NEW DEVICE IS SHOWN AT AN EXISTING ROUGH-IN LOCATION, THEN ROUGH-IN BOX AND EMPTY CONDUIT TO ABOVE CEILING MAY REMAIN AND A BLANK COVERPLATE SHALL BE INSTALLED ON THE OUTLET BOX.
- EXISTING BRANCH CIRCUIT CONDUIT ALREADY ROUGHED IN MAY BE REUSED IF AND WHERE POSSIBLE.
- EXISTING 400A MAIN DISCONNECT TO DISCONNECTED AND REMOVED AND REPLACED WITH NEW SERVICE ENTRANCE RATED 400A AUTOMATIC TRANSFER SWITCH AS SHOWN AND SPECIFIED ELSEWHERE ON THESE DRAWINGS.

## GENERAL DEMOLITION NOTES:

- LIGHT FIXTURES, DEVICES, & EQUIPMENT SHOWN WITH DASHED LINES INDICATES EXISTING ITEMS.
- THE ELECTRICAL CONTRACTOR SHALL BE REQUIRED TO VISIT THE SITE TO FAMILIARIZE HIMSELF WITH ALL EXISTING CONDITIONS PRIOR TO THE BID.

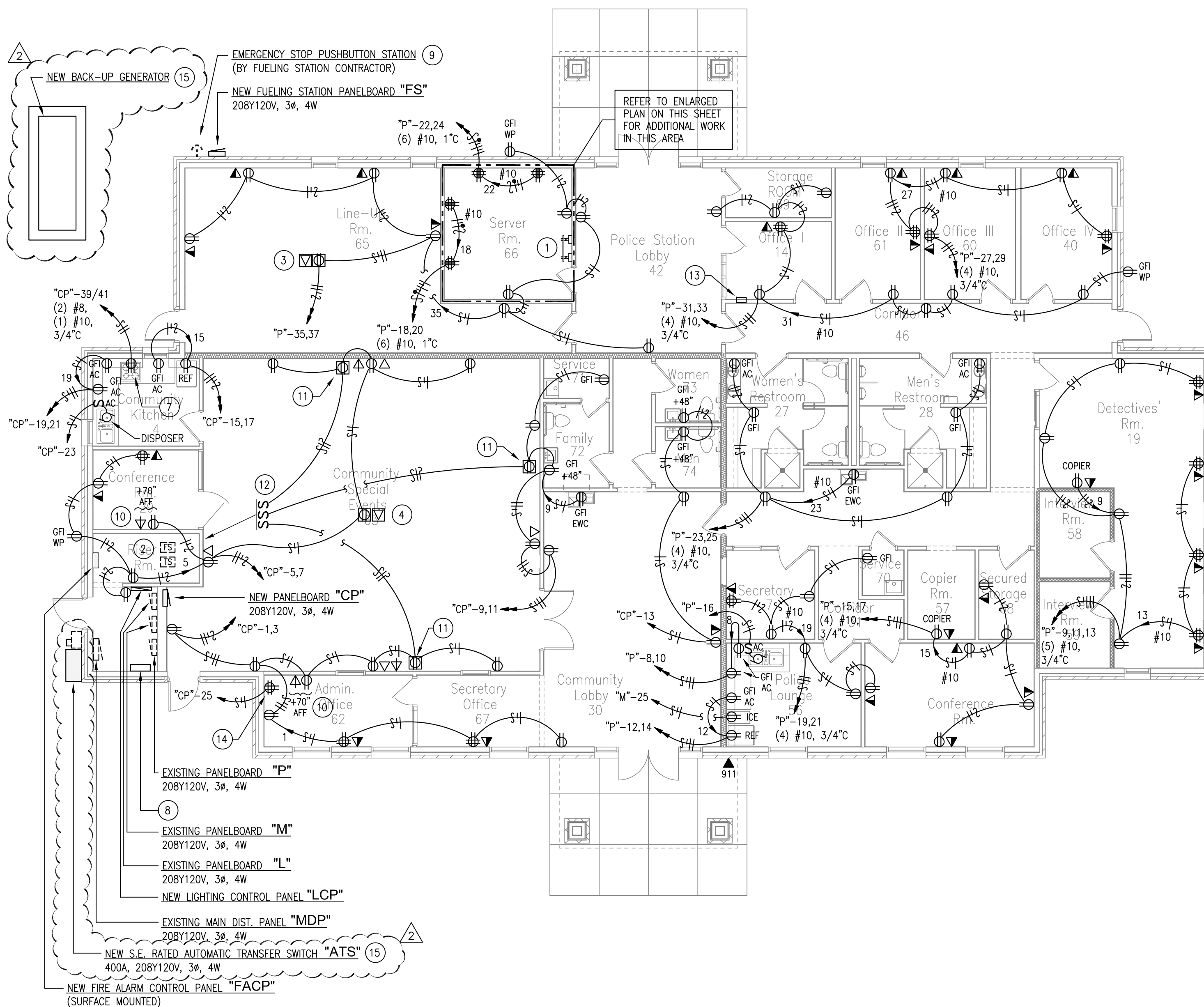


# 3 ENLARGED PLAN - POWER

SCALE 1/4" = 1'-0"

## ENLARGED PLAN KEYED NOTES:

- QUADPLEX OUTLET ON DEDICATED CIRCUIT FOR RACK POWER - MOUNT ON SIDE OF LADDER TRAY AND ROUTE ASSOCIATED CONDUIT ATTACHED TO LADDER TRAY, OVER TO WALL, THEN TO ABOVE CEILING, AND HOMERUN.
- NEMA L6-20R RECEPTACLE FOR RACK MOUNTED UPS POWER - MOUNT ON SIDE OF LADDER TRAY AND ROUTE ASSOCIATED CONDUIT ATTACHED TO LADDER TRAY, OVER TO WALL, THEN TO ABOVE CEILING, AND HOMERUN.



# 2 FLOOR PLAN - POWER

SCALE 1/8" = 1'-0"

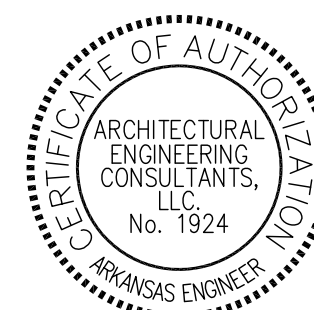
## KEYED NOTES:

- "CLEAN GROUND" BUS BAR - REFER TO "GROUNDING BUS BAR DETAIL" ON SHEET E7.02.
- E.C. SHALL MAKE REQUIRED FIRE ALARM CONNECTIONS TO FLOW & TAMPER SWITCHES - FIELD-VERIFY EXACT LOCATIONS & QUANTITIES.
- FLUSH OUTLET BOXES MOUNTED IN LAY-IN CEILING - REFER TO "CEILING MOUNTED OUTLET/CORD DROP DETAIL" ON SHEET E6.01.
- FLUSH OUTLET BOXES MOUNTED IN GYP BOARD CEILING.
- QUADPLEX OUTLET ON DEDICATED CIRCUIT FOR RACK POWER - MOUNT ON SIDE OF LADDER TRAY AND ROUTE ASSOCIATED CONDUIT ATTACHED TO LADDER TRAY, OVER TO WALL, THEN TO ABOVE CEILING, AND HOMERUN.
- NEMA L6-20R RECEPTACLE FOR RACK MOUNTED UPS POWER - MOUNT ON SIDE OF LADDER TRAY AND ROUTE ASSOCIATED CONDUIT ATTACHED TO LADDER TRAY, OVER TO WALL, THEN TO ABOVE CEILING, AND HOMERUN.
- NEMA 6-50R OUTLET FOR CONNECTION OF ELECTRIC RANGE. FIELD-VERIFY EXACT REQUIREMENTS AND ADJUST AS REQUIRED.
- 24" x 24" x 8"D SCREW COVER, NEMA 1 PULL BOX FOR DATA/TELECOMM & SIGN DATA. REFER TO SYSTEMS PLAN ON SHEET E5.01.
- EMERGENCY STOP PUSHBUTTON ACTIVATES SHUNT TRIP MAIN CIRCUIT BREAKER IN FUELING STATION PANELBOARD "FS". ELECTRICAL CONTRACTOR SHALL FURNISH & INSTALL AND MAKE THE 120V CONTROL CIRCUIT CONNECTION.
- VERIFY EXACT LOCATION OF CATV OUTLETS WITH OWNER PRIOR TO ROUGH-IN & INSTALLATION.
- FLUSH OUTLET BOX MOUNTED IN GYP BOARD CEILING WITH SWITCHED RECEPTACLE FOR MOTORIZED PROJECTION SCREEN. VERIFY EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN & INSTALLATION.
- VERIFY EXACT LOCATION OF MOTORIZED PROJECTION SCREEN SWITCHES WITH OWNER PRIOR TO ROUGH-IN & INSTALLATION. SWITCHES SHALL BE MOMENTARY TYPE, TYPICALLY PROVIDED WITH MOTORIZED PROJECTION SCREEN. FIELD-VERIFY EXACT REQUIREMENTS.
- GENERATOR REMOTE ANNUNCIATOR - REFER TO GENERATOR SPECIFICATION. FIELD-VERIFY EXACT DESIRED LOCATION WITH OWNER PRIOR TO ROUGH-IN & INSTALLATION. REFER ALSO TO "POWER RISER DIAGRAM - RENOVATION" ON SHEET E7.01 FOR CONNECTION REQUIREMENTS.
- QUADPLEX OUTLET ON DEDICATED CIRCUIT SURFACE MOUNTED INSIDE NETWORK CABLE BOX - REFER TO "WALL MOUNTED NETWORK CABLE BOX DETAILS" ON SHEET E7.02. REFER ALSO TO SYSTEMS PLAN ON SHEET E5.01 FOR PROPOSED NETWORK CABLE BOX LOCATION, (TO BE CONFIRMED WITH OWNER).
- REFER TO "POWER RISER DIAGRAM - RENOVATION" ON SHEET E7.01.



**ARCHITECTURAL ENGINEERING  
CONSULTANTS, LLC.**

P.O. Box 94798 - North Little Rock, AR 72190  
501.379.9693 Phone - 501.379.9712 Fax  
AEC Job #: 0304.14.003



**CARADINE  
COMPANIES  
ARCHITECTURE**  
1101 CUMBERLAND STREET  
LITTLE ROCK, ARKANSAS 72203  
501.372.4199 OFFICE  
501.372.4198 FAX  
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CARADINE@CARADINE.COM

REVISION:  
2 05/12/15 ADDENDUM #02

**Josephine Pankey Community +**

**Police Station**

13700 Cantrell Road, Little Rock, Arkansas 72212

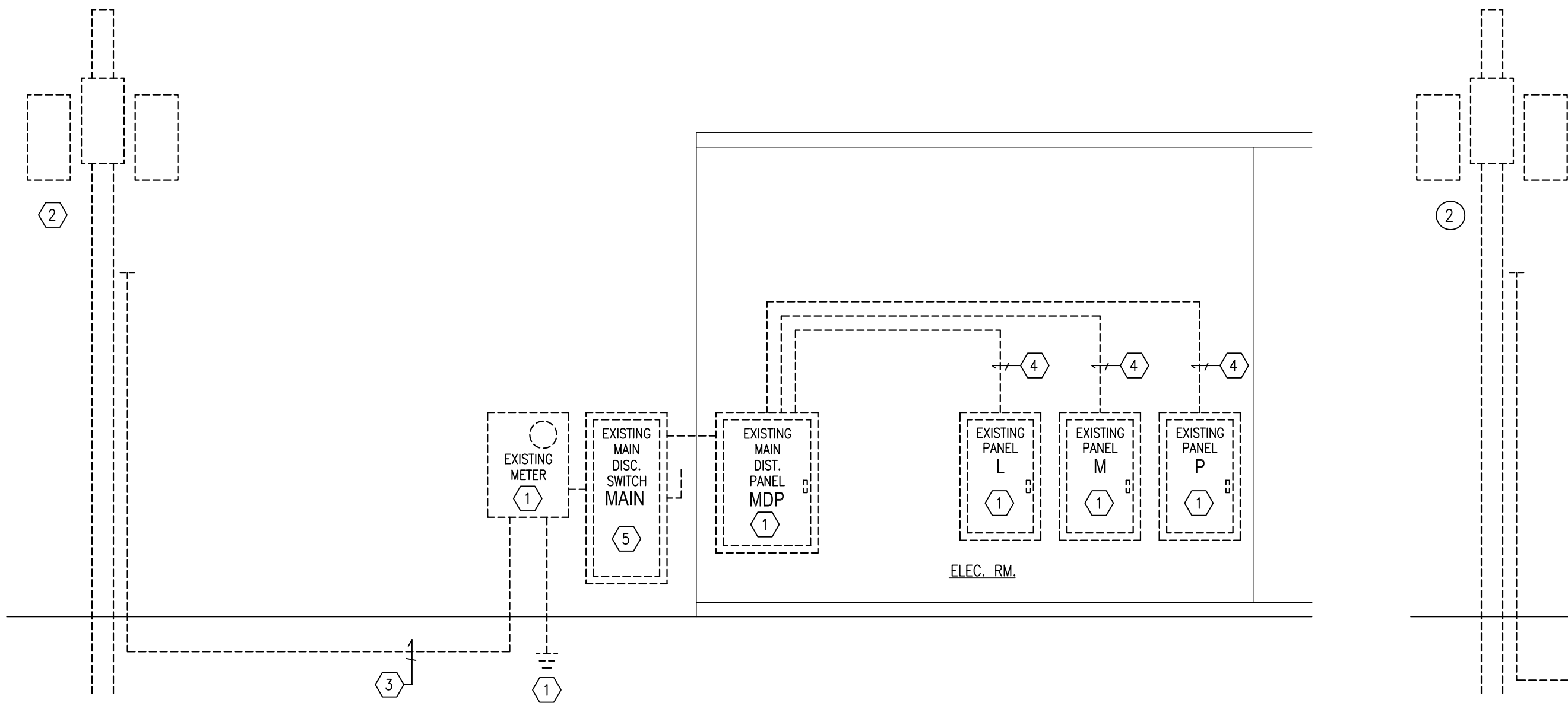


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FLOOR PLANS  
ELECTRICAL DEMOLITION  
& POWER

SHEET NUMBER:  
**E4.01**



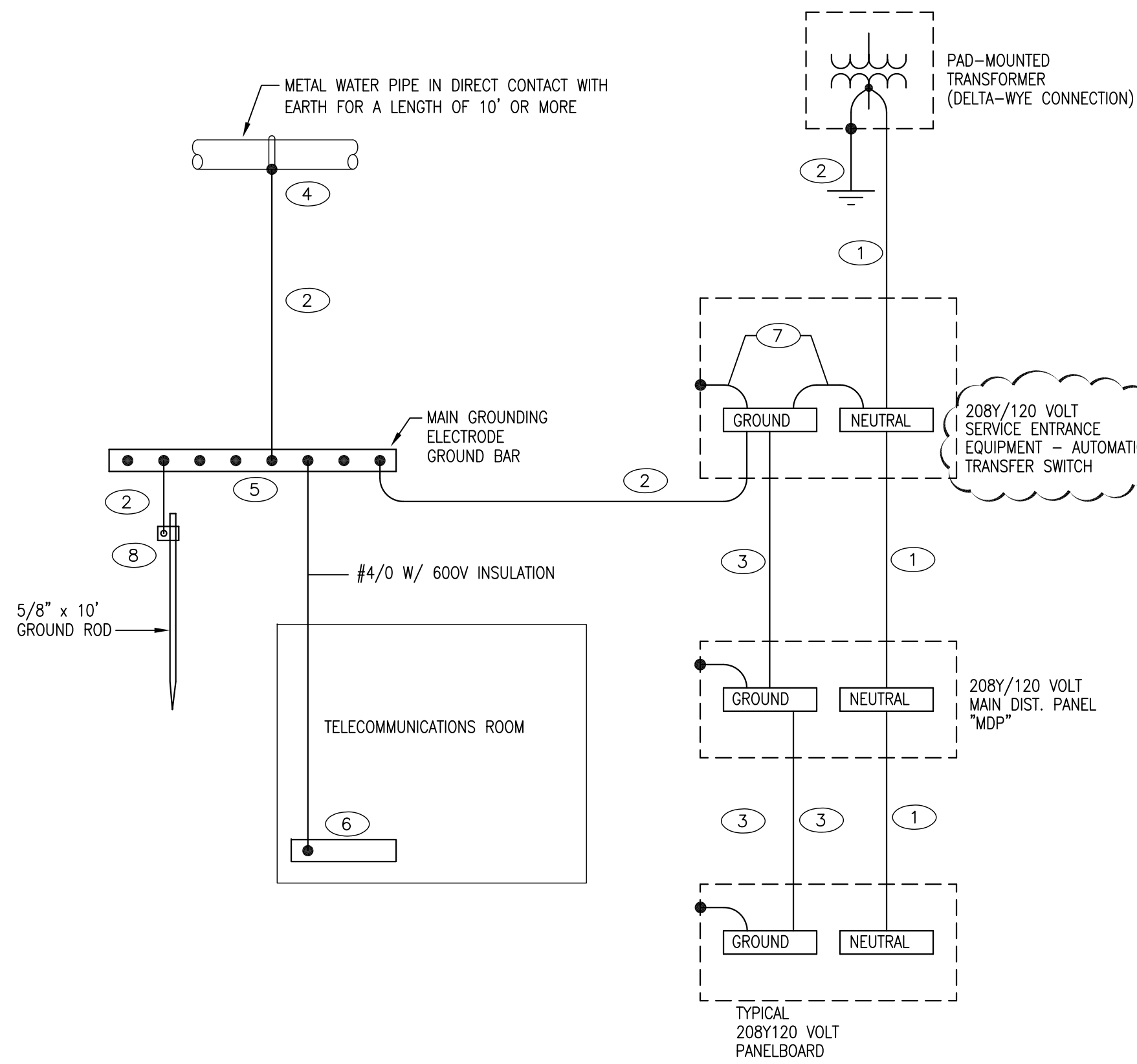


## 1 POWER RISER DIAGRAM - DEMOLITION

SCALE NONE

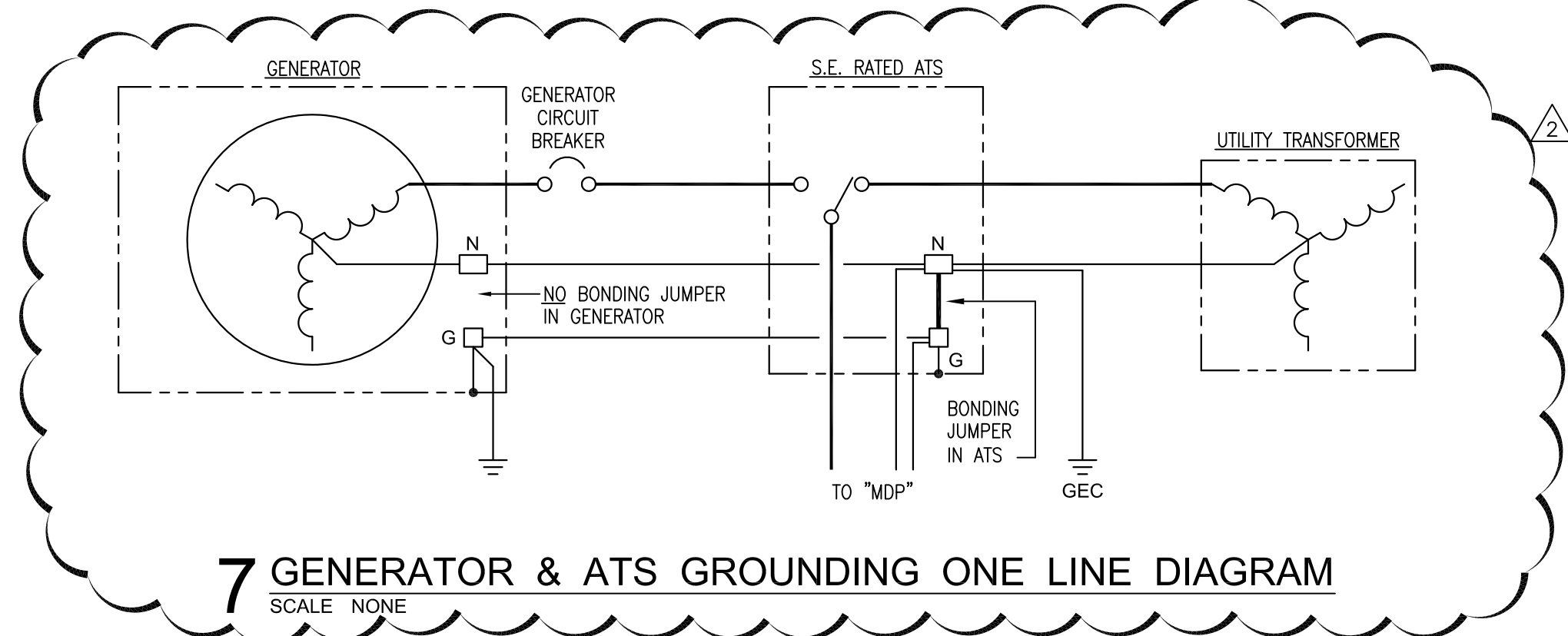
### KEYED DEMOLITION NOTES:

- (1) EXISTING TO REMAIN.
- (2) EXISTING UTILITY POLE AND 3-PHASE TRANSFORMER BANK.
- (3) EXISTING UNDERGROUND SECONDARY.
- (4) EXISTING FEEDER TO REMAIN.
- (5) DISCONNECT & REMOVE EXISTING MAIN DISCONNECT SWITCH AND REPLACE WITH NEW SERVICE ENTRANCE RATED ATS AS SHOWN ON THE RENOVATION POWER RISER DIAGRAM ON THIS SHEET.



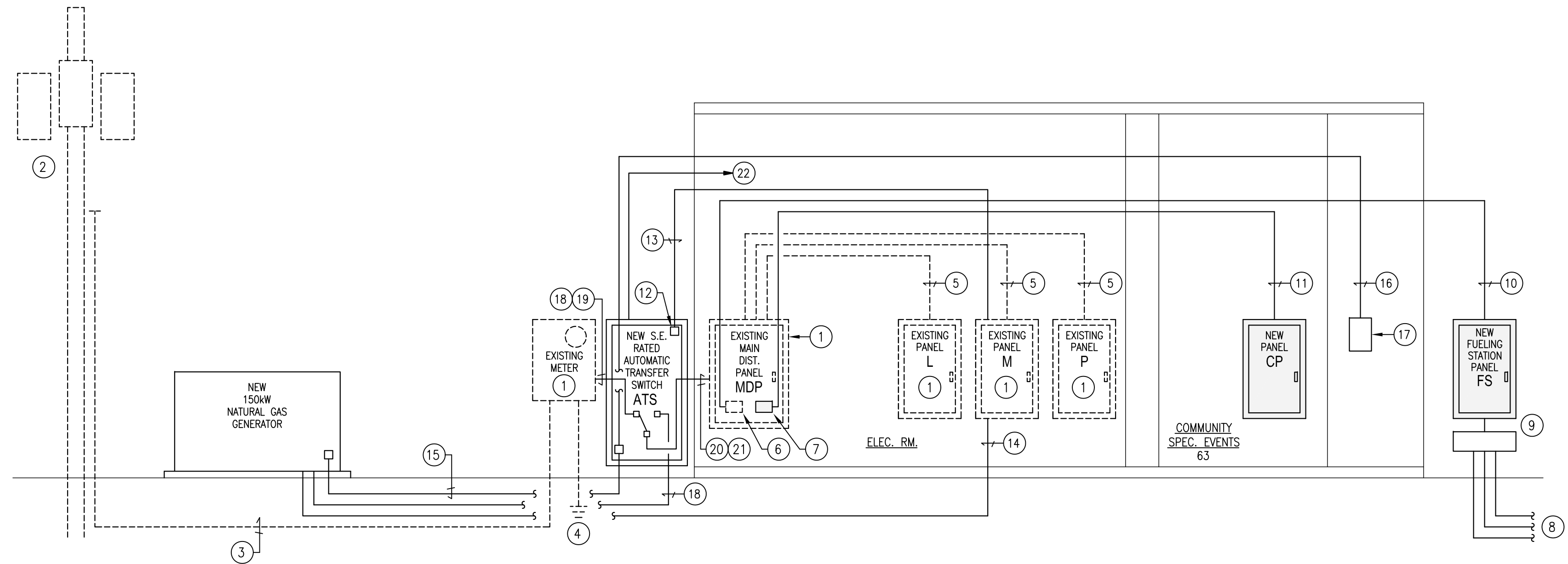
## 3 GROUNDING SYSTEM DIAGRAM

SCALE NONE



## 7 GENERATOR & ATS GROUNDING ONE LINE DIAGRAM

SCALE NONE



## 2 POWER RISER DIAGRAM - RENOVATION

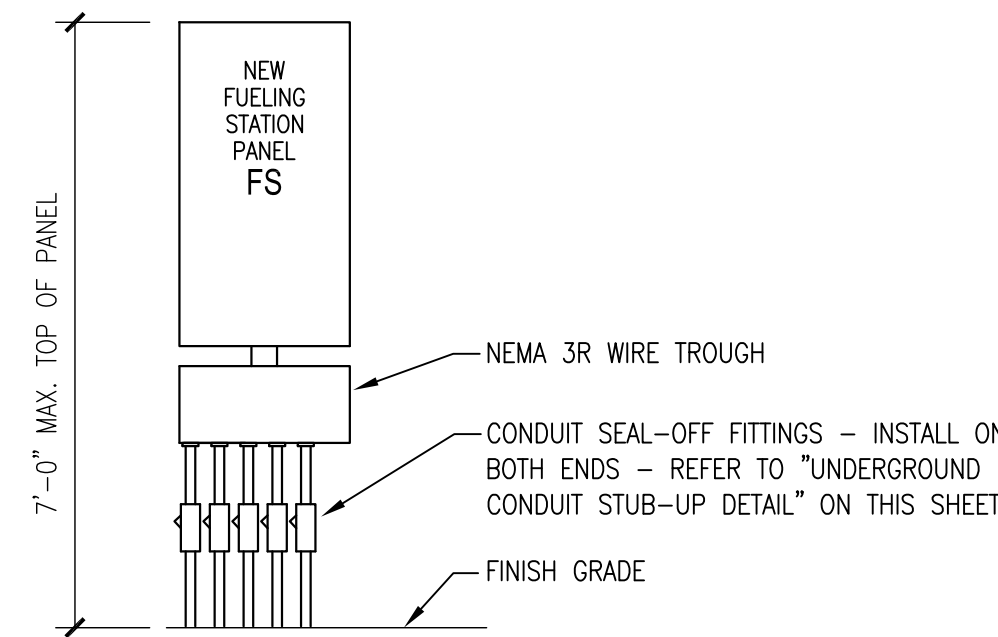
SCALE NONE

### POWER RISER KEYED NOTES:

- (1) EXISTING TO REMAIN.
- (2) EXISTING UTILITY POLE AND 3-PHASE TRANSFORMER BANK.
- (3) EXISTING UNDERGROUND SECONDARY.
- (4) EXISTING SYSTEM GROUNDING ELECTRODE CONDUIT ROUGH-IN. THE ELECTRICAL CONTRACTOR SHALL COMPLETE GROUNDING ELECTRODE AND GROUNDING ELECTRODE CONDUCTOR INSTALLATION AS REQUIRED. REFER TO "GROUNDING SYSTEM DIAGRAM" ON THIS SHEET.
- (5) EXISTING FEEDER TO REMAIN.
- (6) CONNECT TO EXISTING 60A/3P CIRCUIT BREAKER IN EXISTING "MDP".

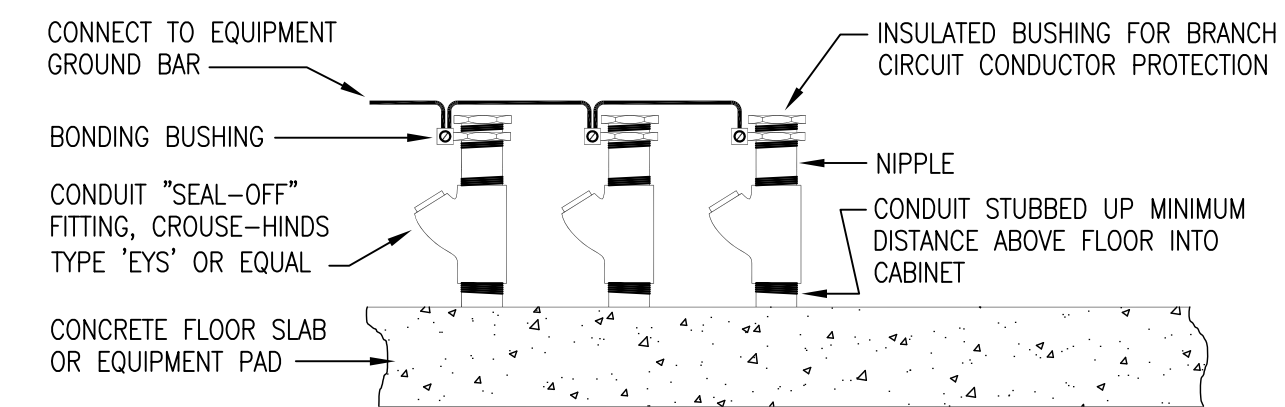
- (7) FURNISH & INSTALL A NEW 150A/3P CIRCUIT BREAKER IN AVAILABLE SPACE IN EXISTING "MDP". THE NEW CIRCUIT BREAKER SHALL BE OF THE SAME MANUFACTURER AS THE DISTRIBUTION PANEL AND SHALL BE THE SAME TYPE AND HAVE THE SAME INTERRUPTING RATING AS EXISTING CIRCUIT BREAKERS ALREADY INSTALLED IN THE PANEL.
- (8) BRANCH CIRCUITS OUT TO FUELING STATION. REFER TO "FUELING SYSTEM RISER DIAGRAM" ON THIS SHEET.
- (9) REFER TO "FUELING STATION PANELBOARD INSTALLATION DETAIL" ON THIS SHEET.
- (10) (4) #6 AND (1) #10 EQUIPMENT GROUND IN 1" CONDUIT.
- (11) (4) #1/0 AND (1) #6 EQUIPMENT GROUND IN 1-1/2" CONDUIT.
- (12) ANTI-CONDENSATION HEATER INSIDE ATS.
- (13) ATS HEATER CIRCUIT: (3) #12 IN 3/4" CONDUIT.
- (14) GENERATOR BLOCK HEATER AND BATTERY CHARGER CIRCUITS.

- (15) (1) BELDON #9841 & (2) #14 THHN (FOR GENSET ANNUNCIATION) AND (2) #12 THHN (FOR REMOTE START SIGNAL) IN 1" CONDUIT FROM GENERATOR CONTROLLER TO ATS CONTROLLER. THE UNDERGROUND RATED, SHIELDED, 2-CONDUCTOR CABLE FOR RS-485 MODBUS PROTOCOL TO ENERGY MANAGEMENT SYSTEM (EMS) SHALL ALSO BE RUN IN THIS CONDUIT - SPECIFIC CABLE SPEC SHALL BE PER EMS MANUFACTURER.
- (16) (1) BELDON #9841 & (2) #14 THHN IN 1" CONDUIT FROM ATS CONTROLLER TO REMOTE ANNUNCIATOR.
- (17) GENERATOR REMOTE ANNUNCIATOR - FIELD-VERIFY DESIRED LOCATION WITH OWNER PRIOR TO ANY ROUGH-IN & INSTALLATION.
- (18) (2) SETS: (4) #3/0 & (1) #1/0 GROUND IN 2" CONDUIT.
- (19) REWORK EXISTING FEEDER BETWEEN METER AND MAIN AS SPECIFIED.
- (20) (2) SETS: (4) #3/0 & (1) #3 GROUND IN 2" CONDUIT.
- (21) REWORK EXISTING FEEDER BETWEEN ATS AND MDP AS SPECIFIED.
- (22) SHIELDED, 2-CONDUCTOR CABLE FOR RS-485 MODBUS PROTOCOL FROM GENERATOR AND ATS (DAISEY CHAIN CONNECTION) IN 3/4" CONDUIT HOMERUN TO ENERGY MANAGEMENT SYSTEM (EMS) MODBUS/DRY CONTACT LOCATION IN SERVER ROOM - FIELD-VERIFY EXACT LOCATION WITHIN SERVER ROOM. SPECIFIC CABLE SPEC SHALL BE PER EMS MANUFACTURER.



## 4 FUELING STATION PANELBOARD INSTALLATION DETAIL

SCALE NONE

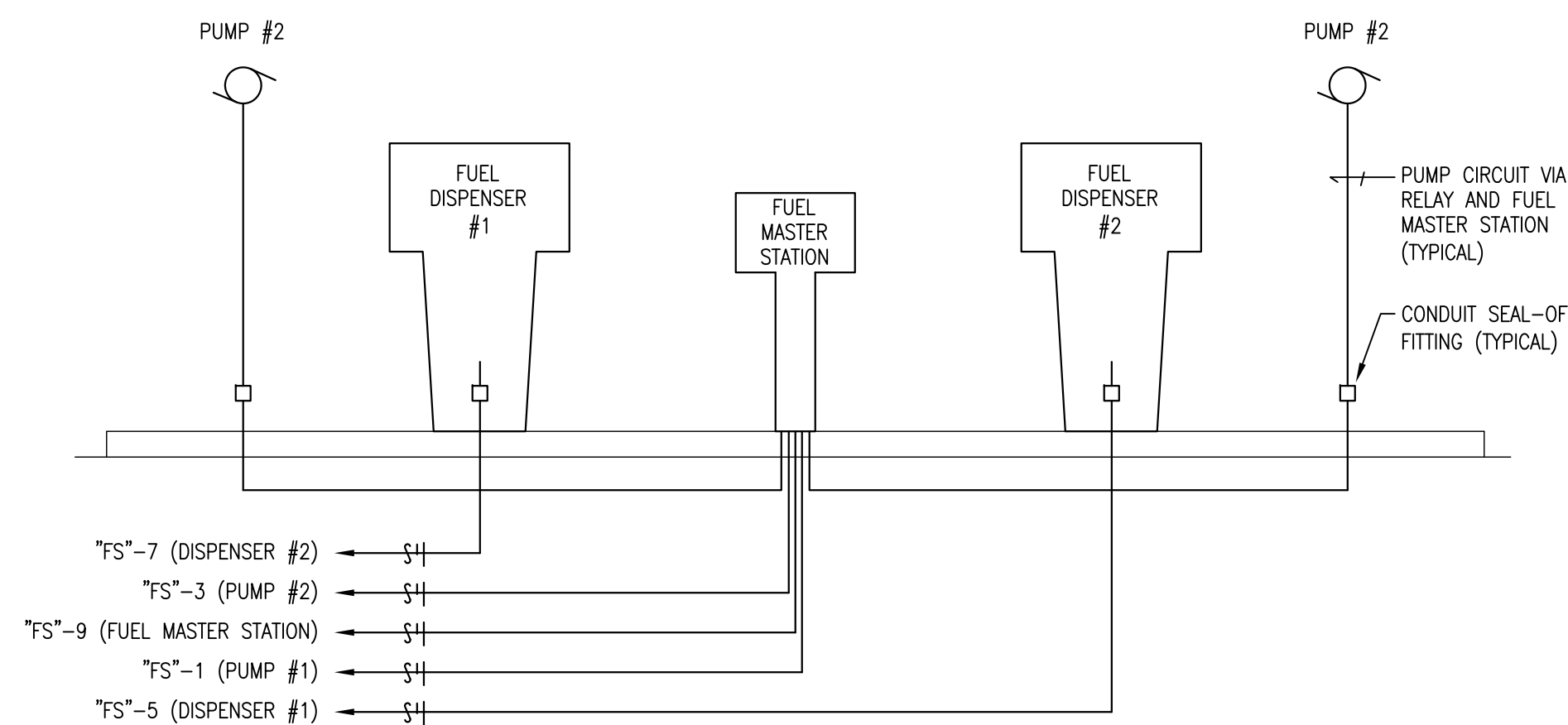


## 5 UNDERGROUND CONDUIT STUB-UP DETAIL

SCALE NONE

### NOTE:

1. THE UNDERGROUND CONDUITS SHOWN REPRESENT TYPICAL INSTALLATION METHODS.
2. CONDUIT SEAL-OFFS REQUIRED FOR ALL CONDUIT ORIGINATING FROM HAZARDOUS AREAS (TYP.)

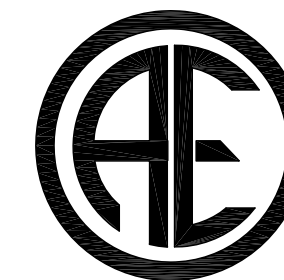


## 6 FUELING SYSTEM RISER DIAGRAM

SCALE NONE

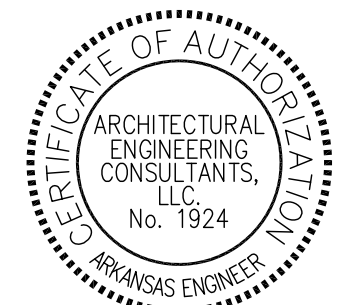
### NOTE:

THE ABOVE RISER IS DIAGRAMATIC ONLY AND INTENDED TO SHOW GENERAL INTENT/SCOPE OF WORK ONLY. THE ELECTRICAL CONTRACTOR SHALL CLOSELY COORDINATE WITH FUELING STATION VENDOR/INSTALLER AND SHALL CONFIRM EXACT CONDUIT ROUTING, STUB-UP LOCATIONS, SPECIFIC ELECTRICAL WIRING & CONNECTION REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL MAKE ALL REQUIRED ELECTRICAL CONNECTIONS. ALL LOW VOLTAGE WIRING (DATA, CONTROLS, ETC.) SHALL BE BY THE FUELING STATION VENDOR/INSTALLER UNLESS OTHERWISE NOTED.



**ARCHITECTURAL ENGINEERING  
CONSULTANTS, LLC.**

P.O. Box 94798 - North Little Rock, AR 72190  
501.379.9693 Phone - 501.379.9712 Fax  
AEC Job #: 0304.14.003



1101 CUMBERLAND STREET  
LITTLE ROCK, ARKANSAS 72203  
501.372.4199 OFFICE  
501.372.4198 FAX  
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CARADINE@CARADINE.COM

### REVISION:

2 05/12/15 ADDENDUM #02

**Josephine Pankey Community +  
Police Station**  
13700 Cantrell Road, Little Rock, Arkansas 72212



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